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+EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAM	Œ	CLASS	SUBCLASS	FILING DATE UP APPROPRIATE)	
13	3,633,100	1/4/1972	Heilweil, et al		324	73	5/12/197	
	3,651,315	3/21/1972			235	151.31	4/29/197	
	3,657,527		Kassabgi, et a	al.	235	153	10/16/198	
	3,723,868	3/27/1973			324	73 AT	1/21/197	
	3,739,193	6/12/1973			307	205	1/11/19	
	3,789,359	1/29/1974	Clark, Jr., et a	ıl.	340	146.1D	10/4/19	
	3,824,678	7/23/1974	Harris, et el.		29	578	8/31/19	
	3,826,909	7/30/1974	lvashin		235	153 AC	3/29/19	
	3,831,149	8/20/1974	Job		340	172.5	2/14/19	
	3,838,264	9/24/1974	Maker		235	153 AM	11/23/19	
	3,873,818	3/25/1975	Bamard		253	153 AC	10/29/19	
	3,976,940	8/24/1976	Chau, et al.		324	73 R	2/25/19	
	4,023,142	5/10/1977	Woessner		340	172.5	4/14/19	
	4,066,882	1/3/1978	Esposito		235	302	8/16/19	
	4,088,375	4/25/1978	LaChapelle, J	r., et al.	427	90	11/7/19	
	4,092,733	5/30/1978	Coontz, et al.		365	200	5/7/19	
	4,108,359	8/22/1978	Proto	-	235	304	3/30/19	
	4,146,835	3/27/1979	Chnapko, et a	ıl.	324	73 R	3/8/19	
	4,161,276	7/17/1979	Sacher, t al.		235	302	3/1/19	
	4,216,539	8/5/1980	Raymond, et a	al.	371	20	5/5/19	
	4,242,751	12/30/1980	Henckels, et a	ıl.	371	26	2/24/19	
	4,264,807	4/28/1981	Moen, et al.		235	92 GD	4/9/19	
	4,268,902	5/19/1981	Berglund, et e	1.	364	200	10/23/19	
	4,286,173	8/25/1981	Oka, et al.		307	440	3/27/19	
	4,308,616	12/29/1981			371	23	5/29/197	
	4,309,787	1/5/1982	Andow, et al.		371	24	8/21/197	
	4,312,086	1/19/1982	Bantz, et al.		371	16	12/28/19	
	4,339,710	7/13/1982	Hapke		324	73 R	2/12/197	
	Re. 31,056	10/12/1982	Chau, et al.		324	73 R	5/28/198	
	4,357,703	11/2/1982	√an Brunt		371	15	10/9/198	
	4,365,334	12/21/1982			371	27	2/9/198	
/	4,366,478	12/28/1982	Masuda, et al.		340	825	1/5/198	
	4,390,969	6/1/1983 H			395	550	4/21/198	
	4,426,697	1/1/1984 F	etersen, et al		340	825.52	1/24/198	
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	TIAL	NUMBER	DATE	NAM	Æ	CLASS	SUBCLASS	FILING DATE (IP APPEOPEIATE)	
01	3	4,433,413	2/21/1984	Fasano		371	25	10/22/1981	
Ī		4,439,858	3/27/1984			371	20	5/28/1981	
		4,441,075	4/3/1984	McMahon		324	73 R	7/2/1981	
		4,483,002	11/13/1984	Groom, Jr., e	al.	371	29	4/19/1982	
		4,484,329		Slamka, et al.		371	25	8/10/1981	
		4,488,259	12/11/1984			364	900	10/29/1982	
		4,493,077		Agrawal, et al		371	25	9/9/1982	
	Ì	4,494,086		Goel, et al.		324	73 R	7/2/1981	
		4,498,172	2/5/1985	Bhavsar		371	25	7/28/1982	
		4,503,536	3/5/1985	Panzer		371	25	9/16/1982	
	•	4,504,784	3/12/1985	Goel, et al.		324	73R	7/2/1981	
		4,513,373	4/1/1985			384	200	12/28/1982	
		4,513,418		Bardell, Jr, et	al.	371	25	11/8/1982	
		4,514,845	4/30/1985			371	15	8/23/1982	
		4,519,078		Komonytshy		371	25	9/29/1982	
		4,534,028	8/6/1985	<u></u>		371	25		
		4,553,090		Hatano, et al.		324	73 AT	12/1/1983 7/23/1980	
	-	4,575,674		Bass, et al.		324	73 R	7/1/1983	
		4,577,318		Whitacre, et a	l.	371	1	11/14/1983	
		4,587,609		Boudreau, et		395	726	7/1/1983	
		4,594,711	6/10/1986			371	25	11/10/1983	
		4,597,042	6/24/1986	d'Angeac		364	200	9/13/1983	
		4,597,080		Thatte, et al.		371	25		
		4,598,401	7/1/1986			371	25	11/14/1983 6/25/1984	
		4,601,034	7/15/1986	Sridhar		371	25		
		4,602,210		Fasang, et al.		324	73	3/30/1984 12/28/1984	
		4,612,499		Andresen, et a	ıl.	324	73 R	11/7/1983	
		4,615,029	9/30/1986	Hu. et al.		370	89		
		4,618,956	10/21/1986			371	68	12/3/1984 9/29/1983	
		4,621,363	11/4/1986			371	25	12/6/1984	
	_	4,627,018	12/1/1986	Trost, et al.		395	476	9/8/1983	
		4,628,511	12/9/1986	Stitzlein, et al.		371	22	2/25/1982	
ل_		4,635,193	1/8/1987	Moyer, et al.		364	200	6/27/1984	
<u>C.B</u>		4,635,261		Anderson, et a	ıl.	371	25	1/26/1985	
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INITIAL	NUMBER	DATE	NA.	ME	CLASS	SUBCLASS	(IP APPROPRIATE)			
CB	4,638,313	1/20/1987	Sherwoo	d, et al.	340	825.52	11/8/1984			
	4,646,298	2/1/1987	Laws, et	al.	371	16	5/1/1984			
	4,642,561	2/10/1987	Groves, e	et al.	324	73 R	6/13/1983			
	4,646,299	2/24/1987	Schinabe	ck, et al.	371	20	8/1/1983			
	4,651,088	3/17/1987	Sawada		324	73R	5/6/1985			
	4,669,081	5/26/1987	Bhavsar		365	154	12/21/1984			
	4,872,307	6/9/1987	Breuer, e	t al.	324	73 R	12/20/1985			
	4,674,089	6/16/1987	Poret, et	al.	371	. 25	4/16/1985			
	4,679,192	7/1/1987	Vanbraba	int	340	825.52	1/24/1986			
	4,680,539	7/14/1987	Tsai		324	73	12/30/1983			
	4,680,733	7/14/1987	Duforeste	H	364	900	10/29/1984			
	4,683,569	7/28/1987	Rubin		371	25	10/21/1985			
	4,687,988	8/18/1987	Eichelber	ger, et al.	324	73 AT	8/24/1985			
	4,694,293	9/15/1987	Sugiyama	a, et al.	340	825.68	9/16/1985			
	4,698,588	10/6/1987	Hwang, e	t al.	324	73 R	10/23/1985			
	4,701,916	10/20/1987	Naven, et	al.	371	15	3/17/1986			
	4,701,920	10/20/1987	Resnick,	et al.	371	25	11/8/1985			
	4,701,921	10/20/1987	Powell, et	al.	371	25	10/23/1985			
	4,710,931	12/1/1987	Bellay, et	al.	371	25	10/23/1985			
	4,710,932	12/1/1987	Hiroshi		371	25	1/15/1986			
	4,710,933	12/1/1987		al.	371	25	10/23/1985			
	4,734,921	3/29/1988	Giangano	, et al.	377	72	11/25/1986			
	4,740,970	4/26/1988	Burrows.	et al.	371	15	12/11/1985			
	4,743,841	5/10/1988			324	73 R	5/20/1985			
	4,752,929	6/21/1988		al.	371	21	3/25/1986			
	4,759,019	7/19/1988			371	3	7/10/1986			
	4,763,066	8/9/1988	Yeung, et	al.	324	73R	7/23/1986			
	4,764,926	8/16/1988			371	25	12/11/1985			
	4,777,616	10/11/1988	Moore, et	al.	364	900	5/12/1986			
	4,783,785	11/8/1988	lanta		371	25	1/5/1987			
	4,788,683	11/29/1988	lester, et	al.	371	20	1/14/1986			
	4,791,358	12/13/1988	Sauerwald	i, et al.	324	73 R	9/2/1986			
	4,799,052	1/1/1989		l	340	825.52	1/13/1986			
CD	4,799,004	1/17/1989	/lon		324	73 R	1/25/1988			
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CE	'	4,800,418	1/24/1989	Natsui		357	68	9/6/1984
		4,802,163	1/31/1989			371	15	12/29/1986
		4,808,844	2/28/1989			307	243	4/17/1986
	\longrightarrow	4,811,299		Miyazawa	a, et al.	365	201	4/22/1987
		4,812,678	3/14/1989			307	443	3/23/1987
	 	4,817,093	3/28/1989	Jacobs, e	t al.	371	25	6/18/1987
	·	4,819,234	4/4/1989			371	19	5/1/1987
/		4,821,269		Jackson, et al.		371	16	10/23/1986
		4,825,439		Sakashita, et al.		371	15	8/18/1987
		4,833,395		Sasaki, et al.		324	73 R	10/23/1987
		4,833,876	5/23/1989			371	15	7/30/1987
		4,855,954		Tumer, et al.		365	185	3/4/1985
		4,857,835	8/15/1989			324	73	11/5/1987
		4,860,288	8/22/1989			371	1	10/23/1987
		4,860,290	8/22/1989			371	25 .	6/2/1987
		4,862,071	8/29/1989			324	73 R	11/18/1988
		4,882,072	8/29/1989			324	73 R	9/8/1988
-		4,864,570	9/5/1989			371	22.4	6/29/1987
		4,864,579	9/5/1989			371	22.3	8/3/1987
		4,866,508	9/12/1989			357	74	9/26/1986
		4,870,345	9/26/1989		et al.	371	22.3	8/3/1987
	 	4,872,169	10/3/1989			371	22.3	3/8/1987
		4,875,003	10/17/1989			324	73 R	2/21/1989
		4,878,168	10/31/1989			364	200	10/29/1986
		4,879,717	11/7/1989		_*	371	22.3	9/2/1986
+		4,887,262	12/12/1989		nuizen	370	85.1	3/15/1988
		4,887,267	12/12/1989		-	371	22.3	12/28/1987
		4,893,072	1/9/1990		10	371	223	6/22/1988
 	-	4,894,830	1/16/1990			371	22.3	1/19/1988
		4,896,262	1/23/1990			364	200	2/22/1985
		4,897,842 4,899,273	1/30/1990			371	22.4	11/5/1987
Th		4,903,266	2/6/1990 2/20/1990		r eu.	364	200	12/10/1986
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4,924,488 5/8/1990 Horak, et al. 371 22.1 11/18/1988 4,926,425 5/18/1990 Heditke, et al. 371 22.8 6/9/1988 4,929,889 5/29/1990 Seiler, et al. 371 22.3 6/13/1988 4,935,868 6/1/1990 DuLac 384 200 11/28/1988 4,930,216 6/5/1990 Nelson 29 854 3/10/1989 4,931,722 6/5/1990 Stoica 371 22.5 11/7/1985 4,931,723 6/5/1990 Jeffrey, et al. 371 22.3 12/18/1985 4,937,826 6/26/1990 Gheewala, et al. 371 22.1 9/9/1988 4,943,986 7/24/1990 Giunta, et al. 371 11.1 4/8/1988 4,945,536 7/31/1990 Hancu 371 22.3 9/9/1988 4,947,108 8/7/1990 Chism 324 73.1 3/31/1988 4,947,357 8/7/1990 Stewart, et al. 371 22.3 2/24/1988 4,956,602 9/11/1990 Parrish 324 158 R 2/14/1989 4,961,053 10/2/1990 Krug 324 158 R 7/24/1989 4,969,121 11/6/1990 Chan, et al. 364 900 3/2/1987 4,974,192 11/27/1990 Face, et al. 371 22.3 9/2/1988 4,989,209 1/29/1991 Miyazawa, et al. 371 22.1 3/24/1989 4,989,209 1/29/1991 Miyazawa, et al. 371 22.1 3/24/1989 4,989,208 2/12/1991 Miyazawa, et al. 365 201 4/22/1987	FORM PTO-1449 (REV. 7-80)	U.S. DEPAR PATENT ANI		TY. DOCKET NO.				
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